Appendix I

National Institute of Health Administration and Education

A STUDY OF MEDICAL COLLEGE ENVIRONMENTS
AND PROFESSIONAL SOCIALIZATION OF MEDICAL
STUDENTS.

Instructions

This questionnaire is designed in connection with a
research study of the environmental characteristics of the
Medical Colleges, professional values of the medical students,
their aspirations and their achievement etc. The information
you provide in this questionnaire will be helpful in clarify­
ing certain problems in Medical Education. Please remeber
that this questionnaire is not to test any of your abilities,
but only to see what is happenning in the Medical Colleges in
terms of how you view the Medical College and your own
professional life. And hence the only right answers are those
which express well your feelings and experience.

Your individual identity will not be revealed and
your personal answers will be kept confidential.

This questionnaire consists of 6 parts. Please read
the instructions given at the beginning of each part caref­
fully and fill the questionnaire according to the instructions.
The word 'Medicine' which you will come accross in the quest­
ionnaire refers to the medical profession and not to Medicine
as a specialty.

PART I

Age:- Sex:-

Father's Education:- Mother's Education:-
Father's occupation:- (Specify the specialty if Doctor)
Mother's occupation:- (Specify the specialty if Doctor)
Total Family's Monthly Income:- (Of all those earning members).
No. of your family members depending on the above income:- (Including
those earning members).
1. At what age did you first think of becoming a Doctor? (give in years)
2. At what age did you firmly decide to study medicine? (give in years)
3. Before deciding on to study medicine did you prefer any other profession or occupation? Yes/No
4. After joining the Medical College have you at any time thought to change your profession from medicine? Yes/No
5. If your answer is 'Yes' to the above question please specify reasons that worked in your mind for such a thought?
6. Which of the following people have influenced you the most in your choice for medicine? (eight possible sources of influence are given below. Put ranks in order of the amount of influence you have from each source in choosing this career. The most influencing source will get first rank and the least influencing source will get the last rank. For example if your teachers have influenced you most than anybody else, put 1 against "Teacher". Please do not give any rank to those who had no influence or negative influence).
   ______ Self Interest ______ Father ______ Mother
   ______ Teachers ______ Friends ______ Relatives, Brothers, sisters
   ______ Doctor whom I know ______ Others (   )
7. Mention a few problems which have disturbed you most in this course of study till now?
8. Did you sometimes feel that medicine is a difficult course to study?
PART II

MEDICAL COLLEGE ENVIRONMENT INVENTORY

Instructions.

The following statements refer to the general environment (facilities, faculty and student body) of your medical college. The statements may or may not be totally characteristic of your college, but try to decide which statements are most characteristic and which are not.

Please use the following scale in rating each statement:

5 - The statement is definitely true about your medical college.
4 - The statement is mostly true about your medical college.
3 - The statement is true and false to an equal degree.
2 - The statement is mostly false about your medical college.
1 - The statement is definitely false about your medical college.

Record your answers by circling the appropriate number at the left of each item. Your statements should tell us what you believe your college environment is like rather than what you might personally prefer. You won't know the answer to many of these statements, because they may not be any really definite information on which to base your answer. Your response will simply mean that in your opinion the statement is to some degree true or false about your medical college.

Do not omit any item.

(Circle one number for each statement using the above scale).

5 4 3 2 1 1. The goals and purpose of the work are clearly defined for the student.
5 4 3 2 1 2. This medical college is outstanding for the emphasis it places on student scholarship and research.
5 4 3 2 1 3. The faculty here seems more interested in the scientific aspects of a case than in the welfare of the patient.
5 4 3 2 1 4. Faculty members are very oriented toward practical application in their approach.
5 4 3 2 1 5. Faculty members frequently discuss topics which have no apparent relation to the total course.

5 4 3 2 1 6. Very few teachers try to give the student the kind of practical training he will need for the practice of medicine.

5 4 3 2 1 9. Departmental heads seem unaware that a well rounded program of study includes courses in the behavioural sciences like psychology.

5 4 3 2 1 10. The academic atmosphere here is not very helpful to the student who wants to get down to the business of practicing medicine.

5 4 3 2 1 11. Faculty members frequently go out of their way to establish friendly relations with students.

5 4 3 2 1 12. Assignments are usually clear and specific making it easy for students to plan their studies effectively.

5 4 3 2 1 13. Teachers really get students interested in their subjects.

5 4 3 2 1 14. Teachers are always available to help the student with the planning of his medical career.

5 4 3 2 1 15. The faculty here stresses the study of the patient as a whole person.

5 4 3 2 1 16. There are many facilities and opportunities for creative activity by students.

5 4 3 2 1 17. House staff and registrars participate enthusiastically in clinical conferences.

5 4 3 2 1 18. Most of the courses stress basic science or scholarship and really probe into the fundamentals of their subjects.

5 4 3 2 1 19. Faculty members typically exhibit great interest in and enthusiasm for their special field of interest.

5 4 3 2 2 20. Faculty members here really push the students to work to the maximum of their capacities.
The faculty here lays great stress on moral behaviour.

Examinations here generally provide a good opportunity for the student to display his knowledge and understanding of the course material.

Patient responsibility on the part of the student is closely supervised to guard against mistakes.

Faculty members rarely have parties (tea and dinner) with students.

Many of the faculty seem bored with their teaching assignments.

The clinical faculty generally expects the student to know a great deal about his patients.

In many courses the broad social and historical setting of the material is not discussed.

The faculty rarely encourages a student to read in areas of the students' own interest.

Many courses stress the speculative or abstract rather than the concrete and tangible.

The faculty is very dissatisfied with students who are content just to pass the examination.

The college authorities are keen to take really personal, considerate, and extensive care of the students by providing facilities like student health care, student counselling, tutorial etc.

It is hard to prepare for examinations because students seldom know what will be expected of them.

Very few of the professors here try to get student interested in the humanities or in the broad socio-context of medicine.
In many courses there are projects or assignments which encourage students to work in small groups.

Very little of the instruction here will be useful to students who go into practice.

Students with superior academic ability are admired by other students.

Student competition facilitates the acquisition of knowledge here.

There is a lot of interest in the philosophy and methods of science.

The students try to help each other.

A lecture by an outstanding behavioural scientist would be poorly attended by the students here.

It is hard to find any students in the library on weekends.

The environment of the medical college stimulates interest in things other than pure medicine.

The problem of comprehensive patient care is given little attention here by the students.

There is very little group spirit here in the students.

Students are concerned only with the physical and not the psychological and social aspect of medicine.

Students compete actively among themselves.

Student attendance at specially organized extra-curricular programmes related to medicine is good.

Students discuss well on the controversial issues in the subject whenever they come up.
(5-Definitely true, 4-mostly true, 3-true and false to some extent, 2-mostly false, 1-definitely false).

5 4 3 2 1  53. Most students are concerned with diagnosing the rare and exotic disease rather than eliciting factual data relevant to the diagnosis and treatment of the patient.

5 4 3 2 1  54. The student government is active and outspoken here.

5 4 3 2 1  55. Most students have strong intellectual commitments.

5 4 3 2 1  56. Hazing, teasing and practical joking are fairly common.

5 4 3 2 1  57. Courses which deal with psychological problems or personal values are resented.

5 4 3 2 1  58. The competition for first classes and distinctions is very high.

5 4 3 2 1  59. Student elections generate a lot of intense campaigning and strong feeling.

5 4 3 2 1  60. Personal hostilities are usually concealed or resolved as quickly as possible.

5 4 3 2 1  61. Students who are not ordinarily neat will take extra pains to have a professional bearing when in the presence of patients.

5 4 3 2 1  62. Students who work hard for high grades are likely to be regarded as odd.

5 4 3 2 1  63. Students are concerned only with the work at hand and have few interests beyond this area.

5 4 3 2 1  64. Many students here are content just to get by.

5 4 3 2 1  65. Teachers encourage students to express their likes and dislikes.

5 4 3 2 1  66. Teachers take individual interest in students.

5 4 3 2 1  67. Teachers take trouble in preparing the students to learn than to pass through examinations.
(5-Definitely true, 4-mostly true, 3-true and false to some extent, 2-mostly false, 1-definitely false).

5 4 3 2 1  72. Teachers encourage openmindedness in students.
5 4 3 2 1  73. Teachers form impressions about students without verification.
5 4 3 2 1  74. Teachers are dedicated scholars in the field.
5 4 3 2 1  75. Teachers are hard working.
5 4 3 2 1  76. There is no favouritism shown by the teachers.
5 4 3 2 1  77. Teachers are busy most of the time.
5 4 3 2 1  78. Teachers are mostly concerned with their own advancement.
5 4 3 2 1  79. Teachers enjoy good respect from outsiders.
5 4 3 2 1  80. Teachers are highly competent in teaching.
5 4 3 2 1  81. Teachers have a sympathetic outlook towards the patients.
5 4 3 2 1  82. Teachers do not take part in college politics.
5 4 3 2 1  83. Teachers conduct the classes regularly.
5 4 3 2 1  84. Teachers emphasize specialization.
5 4 3 2 1  85. Teachers give enough attention to the teaching of preventive aspects of medicine.
5 4 3 2 1  86. Teachers prepare well before they teach.
5 4 3 2 1  87. There is group politics among the teachers.
5 4 3 2 1  88. Teachers react to questions in the class as questions meant for criticising them.
5 4 3 2 1  89. Teachers give sufficient number of illustrations while teaching.
5 4 3 2 1  90. Teachers patiently listen to students' problems.
5 4 3 2 1  91. Teachers stress the importance of practical experiences.
5 4 3 2 1  92. Teachers demonstrate the relevancy of the subjects to the treatment of patients wherever possible.
(5-Definitely true, 4-mostly true, 3-true and false to some extent, 2-mostly false, 1-definitely false).

5 4 3 2 1 93. Teachers encourage students to experiment with new ideas.
5 4 3 2 1 94. Teachers keep the students informed of the upto-date knowledge of the subjects.
5 4 3 2 1 95. Teachers acknowledge the contributions by the students.
5 4 3 2 1 96. Teachers tolerate and encourage the difference of opinion between them and the students.
5 4 3 2 1 97. Teachers do not express their likes and dislikes about other teachers openly.
5 4 3 2 1 98. Teachers are highly disciplined.
5 4 3 2 1 99. Teachers encourage competition among students.
5 4 3 2 1 100. In this college there is enough equipment to work in various areas.
5 4 3 2 1 101. There are enough books in the library to read on the subjects taught here.
5 4 3 2 1 102. Students do not absent themselves usually from the classes.
5 4 3 2 1 103. Students work mainly to impress teachers.
5 4 3 2 1 104. Students are helpful to each other.
5 4 3 2 1 105. Students behave in a highly disciplined way in the classes.
5 4 3 2 1 106. Punctuality is maintained by students.
5 4 3 2 1 107. The college is generally liked by all students.
5 4 3 2 1 108. College politics do not influence the student development in this college.
5 4 3 2 1 109. Many students like to do their post-graduation in this college or work here.
5 4 3 2 1 110. The college authorities provide facilities for students who take active interest in extra-curricular activities.
### PERCEPTIONS OF THE PROFESSION INVENTORY

1. A few characteristic feelings you are likely to experience about your profession as a doctor are given below. Please rate each characteristic feeling on a five-point scale as given. For example, the first characteristic feeling is "Challenging". If you feel that your profession is challenging very much, then check (√) under 'very much' against the word. If you feel that your profession is not at all challenging, then check (X) under 'not at all'. If you feel that it is somewhat challenging, please check (√) under 'somewhat' against that word. Proceed in this manner for all the 13 characteristics described below.

<table>
<thead>
<tr>
<th>The Profession</th>
<th>Very much</th>
<th>Much</th>
<th>Somewhat</th>
<th>A little</th>
<th>Not at all</th>
</tr>
</thead>
<tbody>
<tr>
<td>in which you are</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>is ............</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Challenging</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>2. Satisfying</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>3. Practical</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>4. Respectable</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>5. Useful</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>6. Gives opportunity for intellectual growth.</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>7. Easy to be in it</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>8. Important</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>9. Interesting</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>10. Progressive</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>11. Paying</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>12. Service Oriented</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
<tr>
<td>13. Highly developed</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>
All of us want to achieve certain things in our professional life. When you think of what is important in your professional life as a doctor, what are the things you want to achieve? What would your professional life have to be like for you to be completely happy? What dreams and desires do you have about your professional future? Take your own time in answering such things are not easy to answer. (If more space is needed write on the margin or use another sheet of paper).

Now taking the other side of the picture, what are your fears and worries about your professional future? (If more space is needed use the margins or attach a separate sheet of paper).
Here is a picture of a ladder. Suppose we say that the top of the ladder represents the best possible professional life for you and the bottom represents the worst possible professional life.

3. Where on the ladder do you feel personally stand at the present time in your profession?

   Step Number________

4. If everything goes well as you estimate where do you think you will be on the ladder five years from now professionally?

   Step Number________
1. Please give below the average percentage of marks you obtained in the previous examinations of this course.

2. If you compare with your class fellows how well do you think you scored in the examinations? (tick one of the following you think as true).

   The marks I have obtained are
   ______ Much better than many of my class fellows!
   ______ Somewhat better than many of my class-fellows!
   ______ About the same as many of my class-fellows!
   ______ Somewhat less than many of my class-fellows!
   ______ Much less than many of my class-fellows!

3. If you were to study in a different college, do you think that you would have shown different level of performance in the examinations? (tick one of the following).

   If I were to study in any other college:
   ______ I would have done much better
   ______ I would have done a little better
   ______ I would have done at the same level
   ______ I would have done a little less
   ______ I would have done much less.
PART VI

PHYSICIAN'S WORK VALUES INVENTORY

Instructions

After you complete the Degree Course you are likely to make up a job or work somewhere or other. In this questionnaire you will find pairs of items related to WORK. Read each pair carefully and indicate your preference by writing the appropriate figures in the space provided as explained below.

Some alternatives may seem equally attractive or unattractive to you. Nevertheless, please attempt to choose between alternatives. For each pair you have **three** points to distribute in any of the following combinations:

For example, in the pair of items given below,

1. If you prefer (a) and do not prefer (b), write **3** next to (a) and **0** next to (b).

   3 (a) Work in which you develop new ideas.
   0 (b) Work in which you get good pay.

2. If you prefer (b) and do not prefer (a), write

   0 (a) Work in which you develop new ideas
   3 (b) Work in which you get good pay

3. If you have a slight preference for (a) over (b), write

   2 (a) Work in which you develop new ideas
   1 (b) Work in which you get good pay

4. If you have a slight preference for (b) over (a), write

   1 (a) Work in which you develop new ideas
   2 (b) Work in which you get good pay

Even though you see the same item more than once, please proceed through the questionnaire and treat each pair independently. Do not imitate any pair and be sure to use only those combinations of numbers as shown above. Remember, first impressions are important.
1. (a) Work in which you develop new ideas.
   (b) Work in which you get good pay.

2. (a) Work in which you do not need to depend on others for help.
   (b) Work in a job with a good designation.

3. (a) Work in which you solve others' problems.
   (b) Work which gives you an opportunity to teach others what you know.

4. (a) Work that pays you enough so that you can have all the things you want.
   (b) Work in a job which you are sure to have at all times.

5. (a) Work in which people respect you.
   (b) Work in which you teach and do research.

6. (a) Work which gives you a sense of achievement.
   (b) Work in which you and your fellow workers get along well together.

7. (a) Work in which you have enough freedom and independence.
   (b) Work in which you solve other peoples' problems.

8. (a) Work which gives you an opportunity to invent new things.
   (b) Work in a job where you do not have the fear of losing your job.

9. (a) Work in which you do things the way you like.
   (b) Work in which you do research.

10. (a) Work which makes others happy.
    (b) Work in which you have all the physical facilities you like.

11. (a) Work which provides you a high financial reward.
    (b) Work in which you teach.

12. (a) Work which gives you a high status
    (b) Work in which the physical surroundings are good.
13. (a) Work in which you help other people.
   (b) Work in a regular job.

14. (a) Work in a job with a high salary.
    (b) Work in a job of which you are respected by people.

15. (a) Work in which you will be an influential person.
    (b) Work where nothing can threaten your job.

16. (a) Work in which you do unique things.
    (b) Work in which you do not need to depend on others for help.

17. (a) Work in which you do things almost entirely by yourself.
    (b) Work in which you do not fear that you will lose your job.

18. (a) Work which provides you an adequate income.
    (b) Work in pleasant surroundings.

19. (a) Work in which you solve the health problems of others.
    (b) Work in which you have good associates to work with.

20. (a) Work in which you are respected by many.
    (b) Work in which your fellow workers are the people you like.

21. (a) Work in which you invent new things and find out new ways of doing things.
    (b) Work where the surroundings are pleasant.

22. (a) Work in which you have the freedom to do things the way you want.
    (b) Work which pays you enough money.

23. (a) Work in which you will have the satisfaction of helping a number of people.
    (b) Work where there is a good opportunity for salary increases.

24. (a) Work in which you have good company of your colleagues
    (b) Work in which you save enough money.
25. (a) Work which makes you important.
    (b) Work in a village where you are treated as a big man.
26. (a) Work that requires the use of your great potential.
    (b) Work in which you have an influential position.
27. (a) Work in which you do things independently.
    (b) Work in which your fellow workers are your friends.
28. (a) Work in which others have the benefit of your services.
    (b) Work in a village where you can serve a number of people.
29. (a) Work which gives you adequately high income.
    (b) Work in a village where you can earn a lot of money.
30. (a) Work in which you can be creative and use your brains.
    (b) Work in which you have an opportunity to teach.
31. (a) Work in which you have the freedom to do things the way you want to.
    (b) Work in which physical surroundings are likeable.
32. (a) Work in which you do service to others.
    (b) Work in a job that gives you good status.
33. (a) Work in a job which you are sure to have at all times.
    (b) Work where superiors and subordinates get along well with each other.
34. (a) Work where you teach and do research.
    (b) Work where you have enough facilities.
35. (a) Work that gives you the feeling of a job well done.
    (b) Work in which you satisfy a number of patients.
36. (a) Work in which you do things independently.
    (b) Work in a village where you are the master of your own.
37. (a) Work where your job is secure
    (b) Work in which you have adequate physical facilities.
(a) Work where people with whom you work are good to you.
(b) Work in a village you have good team of friends to work with you.

(a) Work where you can be a good teacher and a researcher.
(b) Work in a village where you can do lot of research and contribute to theory of medicine.

(a) Work which you feel is challenging.
(b) Work in a village where you can do remarkable things.

(a) Work which provides you a regular job.
(b) Work in which you can be an academician.

(a) Work in which you get along well with others without any problems.
(b) Work in which you can explore the theory of medical sciences further.

(a) Work in which you will not be forced to search for a new job.
(b) Work in a village where you can be sure of your job any time.

(a) Work in which your superiors and subordinates are people you like.
(b) Work in which you have all the facilities you like.

(a) Work where the work facilities are good.
(b) Work in a village which has all good work facilities.